

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM		<b>DATE</b> 30-MAY-16	<b>F.R. #</b> 10011199302		<b>SERV. SUPV.</b> VITALIJS A NEVERDASOV								
<b>LEASE &amp; WELL NAME</b> HORSETAIL #07H-0647 - API 05123418290000		<b>LOCATION</b>			<b>COUNTY-PARISH-BLOCK</b> Weld Colorado								
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Unit 406			<b>TYPE OF JOB</b> Long String								
<b>SIZE &amp; TYPE OF PLUGS</b>	<b>LIST-CSG-HARDWARE</b>	<b>MECHANICAL BARRIERS</b>	<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>	<b>MD</b> <b>TVD</b>							
5-1/2" Top Cem Plug, Nitrile cvr, Phe	Float Shoe 5-1/2 - 8rd	NONE	0	0	NONE	0 0							
5-1/2" Bot Cem Plug, Nitrile cvr, Phe	Float Collar, Auto Fill, 5-1/2 - 8rd												
	Centralizer, with Pins, 5-1/2 in												
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>	<b>PHYSICAL SLURRY PROPERTIES</b>										
			<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>				
Ultra Flush HV Spacer System	N/A		100	11	5.18	34.93	00:00	50	45.07				
Premium Lite High Strength RM	N/A		100	11.5	2.81	16.50	00:00	49.96	39.28				
Premium Lite High Strength RM + Adds	C05-016-16		700	13	1.90	9.74	06:58	237.14	162.41				
(50:50) Poz:Class G Cement + Adds	C05-016-16		1,644	14	1.40	6.33	05:38	409.79	247.82				
FW + FC1000 + X-cide 725 + Corrhob 132 + FP-13L	N/A		0	8.34	0	0	00:00	300.8					
<b>Available Mix Water</b> 1200 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 500 <b>Bbl.</b>		<b>TOTAL</b>		1047.69		494.59					
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>					<b>COLLAR DEPTHS</b>						
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>	
8.5	15	13640	4.778	5.5	20	CSG	13612	6025	P-110	13565	13518		
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>			<b>TOP CONN</b>		<b>WELL FLUID</b>		
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
8.9	9.63	36	CSG	2071	2071	NO PACKER	0	0	0	5.5	BUTT	WATER BASED	9.8
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>		
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
300	BBLS	FW + FC1000 + X-cid	8.34	1583	0	0	0	0	10112	3500	RIG TANK		
<b>Circulation Prior to Job</b>													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1.5			Circulation Rate: 10 BPM				
Mud Density In: 9.8 LBS/GAL Mud Density Out: 9.8 LBS/GAL						PV & YP Mud In: 14			PV & YP Mud Out: 14				
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:						Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>							
<b>Displacement And Mud Removal</b>													
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 2.5 BBLS							
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: VISUAL							
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES							
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 138			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD													
<b>Plugs</b>													
Number of Attempts by BJ: 0 Competition: 0						Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:							
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES							
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Top of Plug: 0 FT			Bottom of Plug: 0 FT				
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>													
BLOCK SQUEEZE <input type="checkbox"/> SHOE SQUEEZE <input type="checkbox"/> TOP OF LINER SQUEEZE <input type="checkbox"/> PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/>													
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			PSI Applied: 0 Fluid Weight: 0 LBS/GAL				
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>													
Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud						Time Held: 00 Hours 00 Minutes							
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING</b> NONE													

# CEMENT JOB REPORT



## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL  
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)  
 NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
 NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
 NONE

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 6773 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
09:30	0	0	0	0	N/A	YARD CALL	
11:29	0	0	0	0	N/A	LEAVE DISTRICT	
13:02	0	0	0	0	N/A	ARRIVE ON LOCATION, 112 MILES/ RIG IS RUNNING CASING	
13:11	0	0	0	0	N/A	SPOT TRUCKS/ RIG UP SAFETY MEETING	
14:40	0	0	0	0	N/A	CEMENT CREW FINISHED RIGGING UP/ RIG STILL RUNNING CASING/ ON STAND BY	
18:30	0	0	0	0	N/A	CASING LANDED	
20:11	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
21:06	571	0	4	4	H2O	LOAD LINES	
21:12	6773	0	.8	.2	H2O	PRESSURE TEST	
21:19	746	0	4.8	54	BARITE	BATCH/ WEIGH/PUMP 50 BBLs OF ULTRA FLUSH SPACER @ 11 PPG	
21:37	771	0	4.8	49	CMT	BATCH/ WEIGH/ PUMP 100 SX OF SCAVENGER SLURRY @ 11.5 PPG	
22:01	471	0	9.6	233	CMT	BATCH/ WEIGH/ PUMP 700SX OF LEAD CEMENT @ 13 PPG	
22:33	496	0	9.2	407	CMT	BATCH/ WEIGH/ PUMP 1644 SX OF TAIL @ 14 PPG	
23:27	0	0	0	0	N/A	SHUT DOWN/ WASH PUMPS AND LINES/ DROP PLUG	
23:40	2970	0	14.2	170	H2O	DISPLACEMENT FRESH WATER + FC 1000 + X-CIDE 725 + CORRIB 132 + FP 13L	
23:54	2459	0	9.6	80	H2O	SLOW RATE	
00:04	2427	0	7.2	30	H2O	SLOW RATE	
00:10	2175	0	4.3	20	H2O	SLOW RATE	
00:16	3004	0	0	300	H2O	BUMP PLUG	
00:21	0	0	0	0	N/A	CHECK FLOATS/ FLOATS HELD	
00:26	0	0	0	0	N/A	RIG DOWN SAFETY MEETING	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 2175	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 70	TOTAL BBL. PUMPED 1047	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:

